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- 1** Evaluation of hypermedia application development and management systems 80%
 S. P. Christodoulou , G. D. Styliaras , T. S. Papatheodrou
Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space—structure in hypermedia systems: links, objects, time and space—structure in hypermedia systems May 1998
- 2** Reducing cognitive overhead on the world wide web 77%
 Rebecca J Witt , Susan P Tyerman
Australian Computer Science Communications , Proceedings of the twenty-fifth Australasian conference on Computer science - Volume 4 January 2002
Volume 24 Issue 1
HyperScout, a Web application, is an intermediary between a server and a client. It intercepts a page to the client, gathers information on each link, and annotates each link with the discovered information. This paper reports on the development of *HyperScout var UniSA*, a development of the HyperScout model and application, that dramatically extends static and dynamic link annotations. Annotations provide the user with additional information, which they use to make better navigational cho ...
- 3** Hypermedia in the Large: A web-based resource migration 77%

09/283,542

 (9/8/2002)



protocol using WebDAV

Michael Evans , Steven Furnell

Proceedings of the eleventh international conference on World Wide Web May 2002

The web's hyperlinks are notoriously brittle, and break whenever a resource migrates. One solution to this problem is a transparent resource migration mechanism, which separates a resource's location from its identity, and helps provide referential integrity. However, although several such mechanisms have been designed, they have not been widely adopted, due largely to a lack of compliance with current web standards. In addition, these mechanisms must be updated manually whenever a resource migrates ...

4 Crawling: Optimal crawling strategies for web search engines 77%



J. L. Wolf , M. S. Squillante , P. S. Yu , J. Sethuraman , L. Ozsen

Proceedings of the eleventh international conference on World Wide Web May 2002

Web Search Engines employ multiple so-called *crawlers* to maintain local copies of web pages. But these web pages are frequently updated by their owners, and therefore the crawlers must regularly revisit the web pages to maintain the freshness of their local copies. In this paper, we propose a two-part scheme to optimize this crawling process. One goal might be the minimization of the average level of staleness over all web pages, and the scheme we propose can solve this problem. Alternati ...

5 Editing online documents: High-tech publications need 77%



old-fashioned editing

Janis Ramey , Marlene Miller

Proceedings of IEEE professional communication society international professional communication conference and ACM special interest group on documentation conference on Technology & teamwork September 2000

Standard formats, familiar word choices, consistency, organization, simple graphic formats, technology, mechanics, and the global nature of the user and the media are major considerations that are often ignored when producing high-tech publications. Oversights and errors are usually corrected in print publications with conventional editing as a step in the production process. However, the authors noticed during a recent Society for Technical Communications chapter publications competition that m ...

6 1a---Links and Navigation: Y-notes: unobtrusive devices for 77%



hypermedia annotation

Saturnino Luz

Proceedings of the twelfth ACM conference on Hypertext and Hypermedia September 2001

This paper describes y-notes, a light-weight, unobtrusive system that allows world wide web users to add persistent annotations to web-based hypermedia.

7 The state of the art in automating usability evaluation of user interfaces 77%



Melody Y. Ivory , Marti A. Hearst

ACM Computing Surveys (CSUR) December 2001
Volume 33 Issue 4

Usability evaluation is an increasingly important part of the user interface design process. However, usability evaluation can be expensive in terms of time and human resources, and automation is therefore a promising way to augment existing approaches. This article presents an extensive survey of usability evaluation methods, organized according to a new taxonomy that emphasizes the role of automation. The survey analyzes existing techniques, identifies which aspects of usability evaluation aut ...

8 Linked active content: a service for digital libraries for education 77%



David Yaron , D. Jeff Milton , Rebecca Freeland

Proceedings of the first ACM/IEEE-CS joint conference on Digital libraries January 2001

A service is described to help enable digital libraries for education, such as the NSDL, to serve as collaboration spaces for the creation, modification and use of active learning experiences. The goal is to redefine the line between those activities that fall within the domain of computer programming and those that fall within the domain of content authoring. The current location of this line, as defined by web technologies, is such that far too much of the design and development process ...

9 Electronic document addressing: dealing with change 77%




Helen Ashman

ACM Computing Surveys (CSUR) September 2000
Volume 32 Issue 3

The management of electronic document collections is fundamentally different from the management of paper documents. The ephemeral nature of some electronic documents means that the document address (i.e., reference details of the document) can become incorrect some time after coming into use, resulting in references, such as index entries and hypertext


links, failing to correctly address the document they describe. A classic case of invalidated references is on the World Wide Web—lin ...

10 Information retrieval on the web 77%

 Mei Kobayashi , Koichi Takeda
ACM Computing Surveys (CSUR) June 2000
Volume 32 Issue 2


In this paper we review studies of the growth of the Internet and technologies that are useful for information search and retrieval on the Web. We present data on the Internet from several different sources, e.g., current as well as projected number of users, hosts, and Web sites. Although numerical figures vary, overall trends cited by the sources are consistent and point to exponential growth in the past and in the coming decade. Hence it is not surprising that about 85% of Internet user ...

11 Model-driven development of Web applications: the AutoWeb system 77%


 Piero Fraternali , Paolo Paolini
ACM Transactions on Information Systems (TOIS) October 2000
Volume 18 Issue 4

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

12 Automatically summarising Web sites: is there a way around it? 77%

 Einat Amitay , Cécile Paris
Proceedings of the ninth international conference on Information and knowledge management November 2000


13 Tools and approaches for developing data-intensive Web applications: a survey 77%

 Piero Fraternali
ACM Computing Surveys (CSUR) September 1999
Volume 31 Issue 3


The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a

direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and characte ...


14 Engineering flexible World Wide Web services 77%

 Markus W. Schranz
Proceedings of the 1998 ACM symposium on Applied Computing
February 1998


15 Nightmare on Webstreet 77%

 Lida L. Larsen , David J. Henry
Proceedings of the 26th SIGUCCS conference on User services
October 1998


16 Document management and Web technologies: Alice marries the 77%

 Mad Hatter
V. Balasubramanian , Alf Bashian
Communications of the ACM July 1998
Volume 41 Issue 7


17 Referential integrity of links in open hypermedia systems 77%

 Hugh C. Davis
Proceedings of the ninth ACM conference on Hypertext and
hypermedia : links, objects, time and space—structure in
hypermedia systems: links, objects, time and space—structure
in hypermedia systems May 1998

18 A case for document management functions on the Web 77%

 Gail L. Rein , Daniel L. McCue , Judith A. Slein
Communications of the ACM September 1997
Volume 40 Issue 9

19 Job transformation in the age of the net 77%

 David Millen , Susan Dray
interactions March 1997
Volume 4 Issue 2

20 Windows NT as a personal or intranet server 77%



Larry Press
Communications of the ACM May 1996
Volume 39 Issue 5

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